10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NUCKS1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9527a

Specification

NUCKS1 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q9H1E3
Other Accession	NP_073568
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**45-73**

NUCKS1 Antibody (N-term) - Additional Information

Gene ID 64710

Other Names
Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1, P1, NUCKS1, NUCKS

Target/Specificity
This NUCKS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-73 amino acids from the N-terminal region of human NUCKS1.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NUCKS1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUCKS1 Antibody (N-term) - Protein Information

Name NUCKS1 {ECO:0000303|PubMed:26323318, ECO:0000312|HGNC:HGNC:29923}

Function Chromatin-associated protein involved in DNA repair by promoting homologous recombination (HR) (PubMed:26323318). Binds double-stranded DNA (dsDNA) and secondary DNA

structures, such as D- loop structures, but with less affinity than RAD51AP1 (PubMed:26323318).

Cellular Location
Nucleus. Chromosome

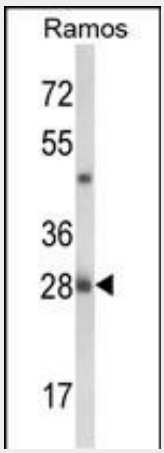
Tissue Location
Widely expressed, with highest levels in thyroid gland, prostate and uterus and in fetal liver, thymus and lung

NUCKS1 Antibody (N-term) - Protocols

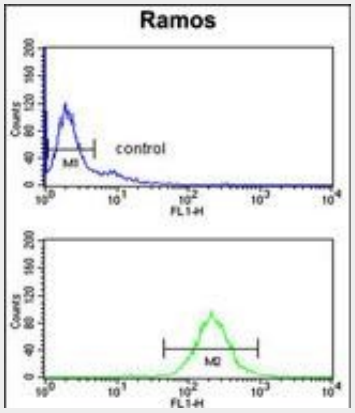
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUCKS1 Antibody (N-term) - Images



Western blot analysis of NUCKS1 Antibody (N-term) (Cat. #AP9527a) in Ramos cell line lysates (35ug/lane). NUCKS1 (arrow) was detected using the purified Pab.



NUCKS1 Antibody (N-term) (Cat. #AP9527a) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

NUCKS1 Antibody (N-term) - References

Satake, W., et al. Nat. Genet. 41(12):1303-1307(2009)
Simon-Sanchez, J., et al. Nat. Genet. 41(12):1308-1312(2009)
Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)
Wisniewski, J.R., et al. Proteins 73(3):710-718(2008)
Grundt, K., et al. Biochim. Biophys. Acta 1773(9):1398-1406(2007)